

Converting Colors

$Yxy(19.9367, 0.2965, 0.4298)$

Have a look what the booklet for
Yxy(19.9367, 0.2965, 0.4298)
contains.

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Color

Yxy(19.9662, 0.2962, 0.4289)

Conversions

Conversions Part 1

Format	Color
Hex	4E885A
RGB	78, 136, 90
RGB Percent	31%, 53%, 35%
CMY	0.6943, 0.4666, 0.6471
CMYK	0.43, 0.00, 0.34, 0.47
HSL	132°, 27%, 42%
HSV	132°, 43%, 53%
XYZ	13.7887, 19.9662, 12.7972
YIQ	113.4140, -19.8020, -26.6020

Conversions

Conversions Part 2

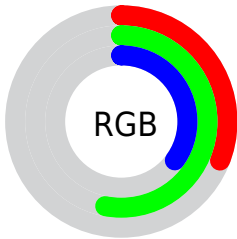
Format	Color
RYB	78, 126, 136
Decimal	5146714
CIELab	51.80, -29.51, 18.93
CIElCh	52, 35.061, 147.327
Yxy	19.9662, 0.2962, 0.4289
Android (android.graphics.Color)	4283336794 (0xFF4E885A)
YUV	113.4140, -11.5431, -31.0581
Hunter-Lab	44.6836, -23.1136, 14.2981

Details

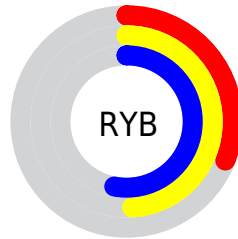
The Yxy color **19.9662, 0.2962, 0.4289** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **12.1332, 0.3358, 0.2467**, and the grayscale version is **16.6800, 0.3127, 0.3290**.

A 20% lighter version of the original color is **43.4662, 0.3015, 0.4050**, and **7.0704, 0.2855, 0.4768** is the 20% darker color. If you saturate the color by 10%, you get **19.2806, 0.2933, 0.4574**, and if you desaturate by 10%, it is **20.7989, 0.2997, 0.4018**.

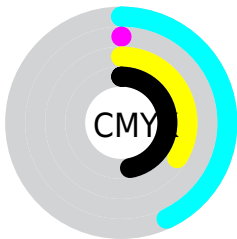
Distribution



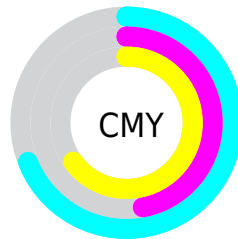
- Red (31%)
- Green (53%)
- Blue (35%)



- Red (31%)
- Yellow (49%)
- Blue (53%)



- Cyan (43%)
- Magenta (0%)
- Yellow (34%)
- Black (47%)



- Cyan (69%)
- Magenta (47%)
- Yellow (65%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 19.9662, 0.2962, 0.4289 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.


Similar to the brightness gradients but the following saturation gradients show a change of the Yxy color 19.9662, 0.2962, 0.4289 by changing the saturation by 10% instead.


 19.9662, 0.2962,
0.4289


 19.9662, 0.2962,
0.4289


251.7321, 0.3071,
0.3691


 12.3705, 0.2920,
0.4484


 43.3605, 0.3011,
0.4041


 6.9965, 0.2852,
0.4772


 59.9279, 0.3026,
0.3958

 3.4599, 0.2731,
0.5233

 80.2546, 0.3038,
0.3892

 1.3763, 0.2610,
0.6894

 104.7250, 0.3047,
0.3837

 0.1992, 0.0000,
1.0000

 133.7236, 0.3055,
0.3792

 0.0000, 0.0000,
0.0000

167.6347, 0.3061,

0.3753

206.8427, 0.3067,
0.3720

■ 19.9662, 0.2962,
0.4289

■ 19.9662, 0.2962,
0.4289

■ 19.2806, 0.2933,
0.4574

■ 20.7989, 0.2997,
0.4018

■ 18.7311, 0.2912,
0.4864

■ 21.7841, 0.3036,
0.3768

■ 18.3090, 0.2903,
0.5146


■ 22.9298, 0.3076,
0.3542


■ 18.0038, 0.2905,
0.5403


■ 24.2428, 0.3116,
0.3340

■ 17.8030, 0.2920,
0.5620

■ 25.7296, 0.3156,
0.3162

 17.6956, 0.2931,
0.5752

 27.3961, 0.3194,
0.3006

 29.2482, 0.3230,
0.2871

 31.2913, 0.3264,
0.2752

 33.5308, 0.3295,
0.2650

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



19.9662, 0.3593, 0.4481



19.9662, 0.2962, 0.4289



19.9662, 0.2407, 0.3715

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



19.9662, 0.2962, 0.4289



19.9662, 0.2161, 0.2312



19.9662, 0.4313, 0.3349

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



19.9662, 0.2962, 0.4289



12.1332, 0.3358, 0.2467

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



19.9662, 0.3847, 0.2882



19.9662, 0.2962, 0.4289



19.9662, 0.2579, 0.2310

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



19.9662, 0.2962, 0.4289



19.9662, 0.1985, 0.2553



19.9662, 0.3190, 0.2515



19.9662, 0.4409, 0.3843

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



19.9662, 0.2962, 0.4289



19.9662, 0.2151, 0.3260



19.9662, 0.3190, 0.2515



19.9662, 0.4193, 0.3187

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



19.9670, 0.2962, 0.4289



40.2731, 0.3074, 0.3555



22.4754, 0.3596, 0.4357



9.2301, 0.3066, 0.3598



69.2071, 0.3127, 0.3290



10.0482, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



19.9670, 0.2962, 0.4289



34.0357, 0.2934, 0.4558



20.5512, 0.2709, 0.3651



5.6241, 0.3090, 0.3468



16.7471, 0.2930, 0.5749



0.1130, 0.2741, 0.5066

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



12.1332, 0.3358, 0.2467



18.3609, 0.3425, 0.2299



11.5115, 0.3853, 0.2965



5.1115, 0.3166, 0.3118



5.9766, 0.3796, 0.1865



0.0418, 0.3476, 0.1688

Previews

White Background



This preview shows how the Yxy color 19.9662, 0.2962, 0.4289 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

Black Background



This preview shows how the Yxy color 19.9662, 0.2962, 0.4289 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

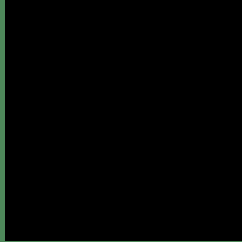
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 19.9662, 0.2962, 0.4289

Background



This preview shows how black text looks on a background with the Yxy color 19.9662, 0.2962, 0.4289.



This preview shows how white text looks on a background with the Yxy color 19.9662, 0.2962, 0.4289.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

19.9662, 0.2962, 0.4289

Protanopia

19.7926, 0.3717, 0.4007

Deuteranopia

19.6943, 0.3771, 0.3714



Tritanopia

19.9826, 0.2606, 0.3093

Trichromacy



Original Color

19.9662, 0.2962, 0.4289

Protanomaly

19.6209, 0.3408, 0.4125

Deuteranomaly

19.4506, 0.3430, 0.3912

Tritanomaly

19.8390, 0.2732, 0.3494

Monochromacy



Original Color

19.9662, 0.2962, 0.4289

Achromatopsia

16.5132, 0.3127, 0.3290

Achromatomaly

17.4040, 0.3051, 0.3626

CSS Examples

Text

The CSS property to change the color of the text to Yxy 19.9662, 0.2962, 0.4289 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(78, 136, 90)` looks like.

```
.text, #text, p{  
    color:rgb(78, 136, 90)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(78, 136, 90) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(78, 136, 90) }
```

Border

The CSS property to change the border of an element to Yxy 19.9662, 0.2962, 0.4289 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(78, 136, 90) }
```

If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(78, 136, 90) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(78, 136, 90)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(78, 136, 90); -webkit-box-  
shadow:4px 4px 4px 4px rgb(78, 136, 90);  
box-shadow:4px 4px 4px 4px rgb(78, 136,  
90) }
```


Background

The CSS property to change the background color of an element to Yxy 19.9662, 0.2962, 0.4289 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(78, 136, 90) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(78, 136,  
90) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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